

Species name	Status Designation	Habitat Requirements	Probability of Occurrence/Affect
PLANTS			
Salt Marsh Bird's-beak (<i>Cordylanthus maritimus ssp. maritimus</i>)	Fed: END CA: END CNPS: 1B	Coastal Salt Marsh and Coastal Dunes habitat. It occurs at elevations of 0 to 30 meters and is limited to the higher zones of the salt marsh habitat.	Not Expected Although, local occurrences are recorded near the BSA, habitat suitability within the BSA is poor. This species is not expected to occur within the Project's proposed limits of construction.
Gambel's Water Cress (<i>Nasturtium gambelii</i>)	Fed:END CA:THR CNPS: 1B	Rhizomatous herb Occurs in fresh water and brackish marshes and swamps, at lake margins, and along stream banks in or just above the water level at elevations of 5 to 1,305 meters. It blooms April to October.	Not Expected Although, local occurrences are recorded near the BSA (app. 2 miles west) and moderate habitat suitability is present within the riparian habitat adjacent to the Project site, this species is not expected to occur within the Project's proposed limits of construction.
Big-leaved Crownbeard (<i>Verbesina dissita</i>)	Fed: THR CA: THR CNPS:1B	Primarily found primarily in Southern Maritime Chaparral, but can also occur in Coastal Sage Scrub. Occurs in gravelly soils along steep, rocky, slopes primarily north facing within 1.5 miles of the ocean at elevations of 45-210M.	Not Expected Although, local occurrences are recorded near the BSA, habitat suitability within the BSA is poor. This species is not expected to occur within the Project's proposed limits of construction.
WILDLIFE			
Reptiles/Amphibians			
Orange-throated Whiptail (<i>Aspidoscelis hyperythra</i>)	Fed: - CA: SC Other:-	Occurs at low-elevations in coastal scrub, chaparral, and valley-foothill hardwood habitats within washes and sandy areas within patches of brush and rocks. Requires perennial vegetation to obtain its primary food source, termites.	Low Although, seven recent occurrences are recorded near the BSA vicinity (1998 to 2007), habitat suitability is low.
Southwestern Pond Turtle (<i>Actinemys marmorata pallid</i>)	Fed:- CA: SC Other:-	This species occurs in habitats with permanent or nearly permanent water bodies at elevations from 0-1,800 m (0-6,000 feet). It requires basking sites, such as logs, mud flats, muddy banks, or downed vegetation. The Southwestern Pond Turtle feeds on aquatic plants, invertebrates, worms, and frog and salamander eggs and larvae. Breeding occurs from April to May. This species has limited distribution within California.	Not Expected Although recent occurrences have been documented less than 1 mile south of the BSA and a permanent water body and riparian area is present adjacent to the Project site, this species is not expected to occur within the Project's proposed limits of construction.
Northern Red-diamond Rattlesnake (<i>Crotalus ruber ruber</i>)	Fed:- CA: SC Other:-	Occurs in rocky areas with dense vegetation within chaparral, woodland, grassland, and arid coastal areas. Needs rodent burrows, cracks in rocks or surface covered objects.	Low Although occurrences are documented in the vicinity of the BSA, habitat suitability is low
Coast Horned Lizard (San Diego) (<i>Phrynosoma coronatum blainvillii population</i>)	Fed: - CA: SC Other:-	Occurs in coastal sage scrub and chaparral habitats in arid climates. Prefers rocky or shallow sandy soils.	Low Although occurrences are documented in the vicinity of the BSA, habitat suitability low.
Two-striped Garter Snake (<i>Thamnophis hammondi</i>)	Fed:- CA: SC Other:-	Occurs in nearly permanent fresh water, often along streams with rocky beads and riparian growth at elevations from 0 to 7,000 feet. Feeds on frogs, toads, fish, earthworms, and aquatic invertebrates.	Low Local occurrences are recorded near the BSA (approx. 2 miles west) and habitat suitability within the riparian area adjacent to the Project site is moderate. Habitat suitability in the upland Quail Brush Scrub is low and this species is not expected to occur within the existing developed/landscaped areas of the Project site.

Fish			
Arroyo Chub (<i>Gila orcuttii</i>)	Fed: - CA: SC but THR in native range Other:	Listing status is for species within the species native range within the Los Angeles basin south coastal streams. It occurs in slow-moving, low-gradient streams, ponds, or backwater sections of warm to cool streams with mud or sand substrates.	Not expected Aquatic habitat quality within the riparian area adjacent to the Project site poor. No suitable habitat is present within the Project's proposed limits of construction.
Birds			
Cooper's Hawk (<i>Accipiter cooperii</i>)	Fed:- CA: SC Other:-	Cooper's Hawks breed in dense oak woodlands, riparian corridors and coniferous forests. They prefer a dense canopy of mature trees for nest sites. Cooper's Hawks hunt along habitat edges, in open woodlands, and in riparian corridors for medium-sized birds (pigeons) and small mammals (rodents). They can also occur in urban areas where tall mature ornamentals and riparian woodland corridors remain.	Moderate Occurrences are documented in BSA vicinity and suitable nesting habitat is present within and adjacent to the Project site. Tree removal and construction noise may affect individuals of this species if present, particularly during nesting season.
Grasshopper Sparrow (<i>Ammodramus savannarum</i>)	Fed: - CA: SC Other:-	Occurs in dense grasslands, lowland plains, valleys and hillsides of lower mountain slopes. Favors native grasslands with forbs and scattered shrubs. Loosely colonial during nesting season.	Low Although recent occurrences have been recorded near the BSA, habitat suitability is low.
Belding's Savannah Sparrow (<i>Passerculus sandwichensis beldingi</i>)	Fed: CA: END Other:	Occurs in coastal salt marshes. Nests in Pickle Weed (<i>Salicornia virginica</i>) and on the margins of tidal flats.	Not Expected Although recent occurrences have been recorded within the vicinity of the BSA, habitat suitability is poor as no Pickle Weed or tidal flats are present within the BSA.
Burrowing Owl (<i>Athene cunicularia</i>)	Fed:- CA: SC Other:-	Occurs in open, dry annual or perennial grasslands, deserts & scrublands with low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, particularly the California ground squirrel.	Not Expected Although occurrences have been documented within the vicinity of the BSA, habitat suitability is low.
Yellow-Breasted Chat (<i>Icteria virens</i>)	Fed: - CA: SC Other:-	A summer resident of Southern California and found in the vicinity of water. Nest in low, dense riparian habitats of willows and wild grape. Forages and nest in lower branches.	Moderate A recent occurrence is documented in BSA vicinity (< 1 mile SE, 2007) and habitat suitability within the riparian area adjacent to Jamboree Rd. is moderate. Although, this species is not expected to occur within the existing developed/landscaped areas of the Project site, some vegetation removal and ground disturbances are expected to occur along the upper slopes adjacent to the riparian area southwest of Jamboree rd. These activities may affect individuals of this species if present, particularly during nesting season.
Light-footed Clapper Rail (<i>Rallus longirostris levipes</i>)	Fed: END CA: END Other:-	Occurs in salt marshes traversed by tidal sloughs where dense stands of Cord Grass and Pickle Weed are used for nesting and cover. Feeds on mollusks and crustaceans.	Not Expected Although recent occurrences have been recorded within the BSA vicinity, habitat suitability is poor and no Pickle Weed, Cord Grass or tidal sloughs are present within the BSA.

California Least Tern (<i>Rallus longirostris levipes</i>)	Fed:END CA: END Other:-	Colonial nesters along the coast in a variety of habitats including bare or sparsely vegetated, flat substrates, gravel surfaces, sandy beaches, alkali flats, land fills, or paved areas.	Not Expected Although recent occurrences have been recorded within the BSA vicinity, habitat suitability is low.
Coastal California Gnatcatcher (<i>Poliophtila Californica Californica</i>)	Fed: THR CA: SC Other:-	A permanent resident of scrub habitats below 2,500 feet in southern California. Occurs in arid washes, on mesas, and slopes.	Low Although, occurrence are documented in the BSA vicinity (< 1 mile SE, 2007), habitat suitability low. Primary vegetation within the more natural habitat area adjacent to the Project site is comprised of riparian trees and shrubs. Arid coastal sage scrub species are not dominant.
South Western Willow Flycatcher (<i>Empidonax traillii extimus</i>)	Fed: END CA:END	This species breeds in dense riparian and shrub habitats near river and lakes. It aerially forages for insects from trees, shrubs, and herbaceous vegetation. They breed in most meadow habitats with Perennial Stream and Riparian Woodland habitats, dominated by Willows (<i>Salix</i> sp.).	Low Although recent occurrences are documented in the vicinity of the BSA, the riparian habitat adjacent to the Project site is of low habitat suitability for this species. The riparian habitat contains a high density of non-native ornamental species, is located directly adjacent to a busy intersection, and evidence of human disturbance (i.e. trash, debris, and overnight campers) is also present.
Least Bell's Vireo (<i>Vireo bellii pusillus</i>)	Fed: END CA: END Other:	A summer resident of southern California in low riparian habitats. Found in the vicinity of water or in dry river beds. Elevation 0-2000 meters. Nest along margins of bushes, willows, Mulefat, or Mesquite (<i>Prosopis glandulosa</i>).	Moderate Numerous recent occurrences are documented in BSA vicinity (< 1 mile SE, 2007) and habitat suitability within the riparian area adjacent to the Project site is moderate. This species is not expected to occur within the existing developed/landscaped areas of the Project site. Although this species is slightly more tolerant of urban noise, the vegetation removal and ground disturbances expected to occur along the upper slopes adjacent to the riparian area southwest of Jamboree rd, may indirectly (i.e. noise) affect individuals of this species if present, particularly during nesting season.
California Black Rail (<i>Laterallus jamaicensis coturniculus</i>)	Fed: CA: THR Other:	Occurs in freshwater marshes, wet meadows, and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1-inch that does not fluctuate during the year and dense vegetation for nesting habitat. Reclusive, staying primarily within dense Pickle Weed, Cattails, and Bullrush.	Not Expected Suitable habitat present within dense stands of Cattails located within the riparian habitat adjacent to the Project site. However, the Cattails are nearly 200 feet or more from the limits of construction within the denser portion of the riparian habitat. This species is not expected to occur within the proposed limits of construction.
Mammals			
Western Mastiff Bat (<i>Eumops Perotis Californicus</i>)	Fed: CA: SC Other:	Insectivorous, roost in small colonies (<100), and occurs in a variety of arid habitat including conifer and deciduous woodlands, coastal sage scrub, grassland, and chaparral. Roosts in crevices, cliffs, buildings, tunnels, structures, trees and tunnels. Emits audible chirps. Nursery sites established in spring and bear young early summer. Requires 3 meters of open space below roost for takeoff. Can forage at night up to 15 miles from their daytime roost site, active year round at night, and forage up to 6 hrs per night.	Moderate Occurrence documented in project vicinity (< 1 mile SE, 2007). And moderate foraging and roosting habitat suitability is present within adjacent buildings, ornamental trees (i.e. Palm Trees), and in the two drainage culvert that extends under Jamboree Rd adjacent to the Project site. Tree removal and construction noise/vibrations could affect roosting individuals if present within or directly adjacent to the Project site.
Mexican Long-tongued Bat (<i>Choeronycteris Mexicana</i>)	Fed: CA: SC Other:	Roost individually or in small groups (usually <15) in caves, crevices, and buildings. Feeds on fruits, nectar, and pollen of night blooming flowers. Also feeds on ornamental species such as Birds of Paradise and hummingbird feeders.	Low Although, recent occurrences have been documented within the BSA vicinity this species is very rare. Marginal foraging opportunities within the BSA and roosting opportunities present

			within the buildings and drainage feature/culvert that runs under Jamboree Rd and outputs into the Riparian area.
<i>Big Free-tailed Bat</i> (<i>Nyctinomops Macrotis</i>)	Fed: CA: SC Other:	Occurs in rugged rocky upland habitats in the southwest. Has been found in urban area roosting in buildings, bridges, and trees. Primarily roots in rocky crevices and cracks and forages on large moths. Often found foraging near areas with water.	Low Recent occurrences have been documented within the BSA vicinity (1997 1.5 miles east of the project site). Marginal foraging and roosting opportunities are present within the buildings and drainage feature/culvert that runs under Jamboree Rd and outputs into the Riparian area. However this species is primarily found near rocky areas and cliff faces.
American Badger (<i>Taxidea taxus</i>)	Fed: CA: SC Other:	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats with friable soils. Preys on burrowing rodents. Digs burrows.	Low Although recent occurrence documented in BSA vicinity in 2004, habitat suitability is low.
Pacific Pocket Mouse (<i>Perognathus longimembris pacificus</i>)	Fed: - CA: SC Other:-	Occurs on fine soils and alluvial sands near the ocean within Coastal Scrub, Coastal Dunes, and Coastal strands.	Low Although recent occurrences documented in the BSA vicinity, habitat suitability on site low. Upland soils and coastal scrub vegetation limited.
California Saltmarsh Shrew (<i>Sorex ornatus salicornicus southern</i>)	Fed: CA: SC Other:	Occurs in coastal salt water marshes and requires dense vegetation and woody Debris for cover. Found in Pickle Weed (<i>Salicornia</i> sp.), Salt Grass, and Willow thickets. Likely forages on amphipods, isopods, insects, and other invertebrates.	Not Expected Although, recent occurrences are documented in the BSA vicinity, no suitable habitat is present within the Project site and habitat suitability within the Riparian habitat adjacent to the site is low. The riparian area adjacent to the Project site contains freshwater marsh, not salt water and no Pickle Weed is present.

Key

Probability to Occur Onsite

Present: Observed on the site during surveys described here, or recorded on-site by other qualified biologists.

High: Observed in similar habitat in regions, reported sightings in surrounding region or habitat on the site is a type often utilized by the species and the site is within the known range of the species.

Moderate: Reported sightings in surrounding region, or site is within the known range of the species and habitat on the site is a type occasionally used by the species.

Low: Site is within the known range of the species but habitat on the site is of poor quality or low suitability.

Not Expected: A focused study failed to detect the species, or, no suitable habitat is present.

Status Designation

U.S. Fish and Wildlife Service

END Federal Endangered

THR Federal Threatened

California Department of Fish and Game

END California Endangered

THR California Threatened

SC State Species of Special Concern

California Native Plant Society

1A Plants presumed extinct in California.

1B Plants rare, threatened, or endangered in California, and elsewhere.

2 Plants rare, threatened, or endangered in California, but more common elsewhere.

3 Plants about which we need more information.

4 Plants of limited distribution.